

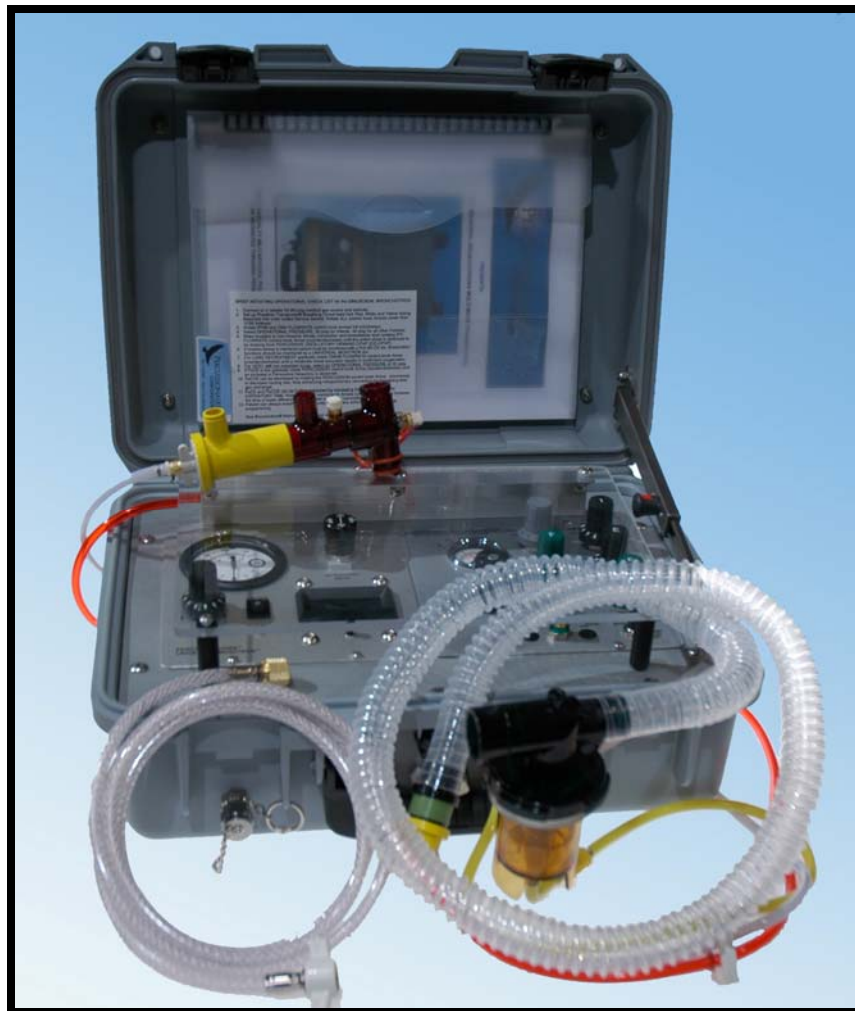


**PERCUSSIONNAIRE®
CORPORATION**

Advanced Cardiopulmonary Dynamics

PRESENTS:

**THE SINUSOIDAL BRONCHOTRON® MULTI-MODE
US TRANS RESPIRATOR® MODEL F00038-2**



**FOR THERAPEUTIC LUNG RECRUITMENT (TLR™) AND MAINTENANCE
A GENERAL OR MASS CASUALTY MILITARY/CIVILIAN PULMONARY VENTILATOR**

THE ENCAPSULATED TRANS RESPIRATOR® SINUSOIDAL BRONCHOTRON® CLAIMS ARE:

A PNEUMATIC "FLOW-TIME" CONTROLLED; LUNG RECRUITMENT AND STABILIZATION VENTILATOR (PERCUSSIONATOR®) WITH ACCESSORY MONITORING WHICH IS CONTAINED WITHIN A HIGH IMPACT, CLOSABLE HOUSING.

A TIME-PROVEN COMBINED SINUSOIDAL BRONCHOTRON® VENTILATOR WITH PERIPHERAL LUNG AND ALVEOLAR RECRUITMENT PROVIDED BY OD-CPAP AND SINUSOIDAL SCHEDULING, ALLOWING CIVIL OR MILITARY CARDIOPULMONARY CLINICIANS TO VENTILATE ANY NEONATAL, PEDIATRIC or ADULT LUNG CAPABLE OF BEING MECHANICALLY VENTILATED INVASIVELY OR NON- INVASIVELY, DURING LAND, SEA, OR AIR TRANSPORT AND/OR FOR LONG TERM CRITICAL CARE VENTILATION.

A pulmonary ventilator independent of any electrical source (NO BATTERIES) using available conventional air/Oxygen supplies to power the ventilator and ventilate the patient with a proven reliability "equal to or better than" any other existing pulmonary ventilatory device.

- 1. Powered by any remote source of a 50- 80 psi respiratory gas which is then internally regulated to OPERATIONAL GAS PRESSURES from 30 psig for Neonates, 35 psig for Pediatrics, 40 psig for Adults, and 45 psig for patients with extremely low pulmonary compliance. Programming allows mechanical ventilation through invasive or non-invasive airways, providing for patient assist/control "Oscillatory Demand CPAP" with Sinusoidal Therapeutic Lung Recruitment (TLR™) while allowing spontaneous breathe through.**
- 2. A convective "Flow-Time" cycled percussive pressure limited ventilator with selectable Inspiratory and Expiratory Time (I/E ratios) for sinusoidal HFOV programming. Lung recruitment is determined by scheduled Therapeutic Lung Recruitment (TLR™) intervals.**
- 3. A higher frequency INTRAPULMONARY PERCUSSIVE VENTILATOR (IPV®) with simultaneous endobronchial aerosol delivery for endobronchial secretion mobilization and clearance, enhancing airway recruitment and maintenance.**
- 4. A universal, easy to program therapeutic lung recruitment ventilator with OSCILLATORY DEMAND CPAP combinable with SINUSOIDAL PERCUSSIVE OSCILLATORY VENTILATION (HFPV), for ventilating Neonatal through Pediatric to large Adult patients with extremely congested lungs.**

5. By combining OSCILLATORY DEMAND CPAP for mechanical endobronchial gas mixing and stabilization directed toward P_{AO2} management with a periodic sinusoidal HIGHER FREQUENCY OSCILLATORY CONVECTION interval, a balanced invasive or non-invasive critical care ventilatory scheduling is programmed while maintaining a "lung protective strategy."

MANUFACTURED BY:

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